

Bridge Team Ongoing Initiatives

1/29/2009

Initiative	Status	Date Added
<i>I-5 Funding Options for Improving the Bridge Program/Investigate alt. financing sources</i> Since bridge replacement funds are the most restrictive, investigate using other sources such as STP, NHS, interstate maintenance funds to provide flexibility for the project.	<i>In Progress</i>	5/10/2007
<i>I-6 Increase awareness of bridge program needs</i> Develop an educational package/briefing for the purpose of emphasizing needs and soliciting resources.		5/10/2007
<i>I-7 Determine process for distributing funds</i> Optimize the funding of bridge preservation, rehabilitation, and replacement.		5/10/2007
<i>I-9 Maintaining traffic during construction</i> Review the decision-making process. Investigate utilizing more road closures. Utilize incentive/disincentive contract clauses. Explore alternative ways to accommodate EMS or school districts. Eliminate or minimize use of on-site detours. Control the cost of off-site detour improvements. Consider/Communicate the cost impacts of each solution to the public/decision makers.	<i>In Progress</i> Drda	5/10/2007
<i>I-12 Investigate rapid construction techniques and innovative materials</i> Understand how long construction takes and why it takes the time it does. Assess the cost of expediting a project.		5/10/2007
<i>I-13 Strategic letting of projects</i> Look at ways to group or schedule project letting. Moratorium constraints necessitate sporadic letting of projects and escalate costs. Level off the work cycle to encourage more contractors to bid in the state.		5/10/2007
<i>I-14 Contingency projects</i> In light of recent rescissions, investigate having shelf plans available for advance to let if budget allows. Maximize use of bridge funds.		5/10/2007
<i>I-15 Guidance on structure type selection</i> During environmental document development preparation guidance is needed related to appropriate structure types. Consideration should be given to life cycle costs for structural components.		5/10/2007
<i>I-16 Information sharing</i> Look at how information and feedback is shared among design units and divisions.		5/10/2007

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<i>I-17 Permit Requirements & Project Commitments / Efficient environmental stewardship</i> Identify a balance between accommodating environmental resources and efficient project delivery. Which mitigation efforts are really effective? Are there effective alternatives (to buffers, moratoriums, ten foot top of bank, water quality, e.g.) that can be presented to stakeholders. Should tiered approach be considered?	<i>In Progress</i> External to BT (Thorpe)	5/10/2007
<i>I-19 Delivering "Fast Track" projects</i> When to consider. Methods to accomplish. Cost/benefit analysis.		8/6/2007
<i>I-20 Standard Book of Bridge Maintenance Repair Details and Procedures</i> Include guidance on structural maintenance repairs. Develop standard details/procedures.	<i>In Progress</i> Holderman	8/6/2007
<i>I-22 Municipal / Developer Submittal Guidelines (Subdivision Policy)</i> Bridges, culverts, pipes added without proper notification (Div, Design, Maint). Utilities, e.g. water lines added that need to be relocated in future. Truss, Block Walls, 3 Sided Culvert usage. Inconsistent awareness of procedure for encroachment/future acceptance on state system submittals. Utilities on bridges and in NCDOT R/W.	<i>In Progress</i> External to BT (Jimmy Travis)	10/25/2007
<i>I-23 Plan of Action in Case of Bridge Failure</i> Who is media spokesperson? Dissemination of appropriate information- what does Freedom of Information require? Who documents forensics aspects? What is required at state and federal level?		10/25/2007
<i>I-24 Alternate Material Guidelines and Construction Installation Procedures for Drainage Pipes</i> Drainage Subgroup created to review drainage related issues and report any recommended policy changes to the Bridge Technical Committee. Initial scope of work involves updating pipe selection criteria and standards while considering alternative materials.	<i>In Progress</i> Hancock	4/14/2008
<i>I-25 Preconstruction Bridge Training for Construction Personnel</i> Provide background and overview of design, and other preconstruction topics, e.g. Site Scoping, Sub Regional Tier Design		10/22/2008
<i>I-26 Develop a Rehabilitation Prioritization/Delivery Process</i> Develop a management tool capable of identifying the most cost effective strategies (replacement v. maintenance v. preservation) funding levels and timelines.	<i>In Progress</i> Holderman & Drda	10/22/2008
<i>I-27 Jetting of Piles</i> Investigate what can be done to reduce the current pile jetting restrictions. Research completed by NCSU provided information on environmental impacts and contractor installation methods. Identify possible locations where jetting would be deemed allowable by agencies.	<i>In Progress</i> Wainaina	10/22/2008
<i>I-28 In-Water Moratoriums</i> Develop a catalog/map of moratorium types and associated dates.	<i>In Progress</i> Robinson	10/22/2008